AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1.-70. (Canceled).
- 71. (Previously Presented) A method of intracellular delivery of taxol or a camptothecin derivative of formula

wherein: R_7 is a $-C(R_{11})=N-O_{(n)}R_{10}$ group, wherein R_{10} is hydrogen or a C_1-C_5 alkyl or C_2-C_5 alkenyl group, linear or branched or C_3-C_{10} cycloalkyl, group or a linear or branched (C_3-C_{10}) cycloalkyl - (C_1-C_5) alkyl group, or C_6-C_{14} aryl, or a linear or branched (C_6-C_{14}) aryl - (C_1-C_5) alkyl group, or a heterocyclic or linear or branched heterocyclo - (C_1-C_5) alkyl group, said heterocyclic group containing at least a heteroatom selected from the group consisting of nitrogen atom, optionally substituted with a (C_1-C_5) alkyl group, and/or oxygen and/or sulfur; said alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, aryl, aryl-alkyl, heterocyclic or heterocyclo-alkyl groups, being optionally substituted with other groups selected from the group consisting of: halogen, hydroxy, C_1-C_5 alkyl, C_1-C_5 alkoxy, phenyl, cyano, nitro, -NR₁₂R₁₃, wherein R₁₂ and R₁₃, which may be the same or different, are hydrogen, linear or branched (C_1-C_5) alkyl; a

pharmaceutically acceptable ester of the -COOH group; or the-CONR₁₄R₁₅ group, wherein R₁₄ and R₁₅, which may be the same or different, are hydrogen or linear or branched (C₁-C₅) alkyl; or

 R_{10} is a (C₆-C₁₀) aroyl residue optionally substituted by one or more groups selected from the group consisting of: halogen, hydroxy, linear or branched (C₁-C₅) alkyl, C₁-C₅ alkoxy, phenyl, cyano, nitro, -NR₁₆R₁₇, wherein R₁₆ and R₁₇, which may be the same or different, is hydrogen, linear or branched (C₁-C₈) alkyl;

N is the number 0 or 1;

 R_{11} is hydrogen, linear or branched C_1 - C_5 alkyl, linear or branched C_2 - C_5 alkenyl, C_3 - C_{10} cycloalkyl, $(C_3$ - $C_{10})$ cycloalkyl - linear or branched $(C_1$ - $C_5)$ alkyl, C_6 - C_{14} aryl, $(C_6$ - $C_{14})$ aryl - linear or branched alkyl $(C_1$ - $C_5)$;

 R_8 and R_9 , which may be the same or different are hydrogen, hydroxy, linear or branched C_1 - C_5 alkoxy;

their N_1 -oxides, their single isomers, in particular the syn and anti isomers of the— $C(R_{11})=N-O_{(n)}R_{10} \text{ group, their possible enantiomers, diastereoisomers and relative admixtures,}$ the pharmaceutically acceptable salts thereof;

using a liposome comprising a compound of formula (II)

(II)

where:

R₃ is a saturated linear or branched acyl chain, with 4-26 carbon atoms;

R₄ is a saturated or unsaturated, linear or branched alkyl chain, with 4-26 carbon atoms; and

X is the anion of a pharmacologically acceptable acid.

- 72. (Previously Presented) The method according to claim 71, in which R₃ is selected from the group consisting of nonanoyl, dodecanoyl, myristoyl, palmitoyl, stearoyl and oleolyl.
- 73. (Previously Presented) The method according to claim 71, in which R₄ is selected from the group consisting of nonyl, undecyl, tetradecyl, hexadecyl and oleyl.
- 74. (Previously Presented) The method according to claim 71, in which X⁻ is selected from the group consisting of chloride; bromide; iodide; aspartate; acid aspartate; citrate; acid citrate; tartrate; acid tartrate; phosphate; acid phosphate; fumarate; acid fumarate; glycerophosphate; glucose phosphate; lactate; maleate; acid maleate; mucate; orotate; oxalate; acid oxalate; sulphate; acid sulphate; trichloroacetate; trifluoroacetate; methane sulphonate; pamoate and acid pamoate.
- 75. (Previously Presented) The method according to claim 71, in which the camptothecin is selected from the group consisting of palmitoyl L-carnitine chloride undecyl ester; stearoyl L-carnitine chloride undecyl ester; palmitoyl L-carnitine chloride tetradecyl ester; palmitoyl L-carnitine chloride tetradecyl ester; palmitoyl L-carnitine bromide hexadecyl ester, and oleolyl L-carnitine chloride oleyl ester.
- 76. (Previously Presented) The method according to claim 71, in which said derivative of camptothecin is selected from the group consisting of 7-benzyloxyiminomethylcamptothecin and 7-butoxyiminomethylcam-ptothecin.

- 77. (Previously Presented) The method according to claim 71, in which the liposome additionally contains helper lipids.
- 78. (Previously Presented) The method according to claim 77, in which said helper lipid is selected from the group consisting of cholesterol, 1-palmitoyl-2-oleoyl phosphatidyl choline and dioleyl phosphatidyl choline.
- 79. (Previously Presented) A method of intracellular delivery of a cosmetic using a liposome comprising a compound of formula (II)

(II)

where:

R₃ is a saturated linear or branched acyl chain, with 4-26 carbon atoms;

R₄ is a saturated or unsaturated, linear or branched alkyl chain, with 4-26 carbon atoms; and

X⁻ is the anion of a pharmacologically acceptable acid.

- 80. (Previously Presented) The method according to claim 79, in which R₃ is selected from the group consisting of nonanoyl, dodecanoyl, myristoyl, palmitoyl, stearoyl and oleolyl.
- 81. (Previously Presented) The method according to claim 79, in which R₄ is selected from the group consisting of nonyl, undecyl, tetradecyl, hexadecyl and oleyl.

- 82. (Previously Presented) The method according to claim 79, in which X¯ is selected from the group consisting of chloride; bromide; iodide; aspartate; acid aspartate; citrate; acid citrate; tartrate; acid tartrate; phosphate; acid phosphate; fumarate; acid fumarate; glycerophosphate; glucose phosphate; lactate; maleate; acid maleate; mucate; orotate; oxalate; acid oxalate; sulphate; acid sulphate; trichloroacetate; trifluoroacetate; methane sulphonate; pamoate and acid pamoate.
- 83. (Previously Presented) The method according to claim 79, in which the compound is selected from the group consisting of: palmitoyl L-carnitine chloride undecyl ester; stearoyl L-carnitine chloride undecyl ester; palmitoyl L-carnitine chloride tetradecyl ester; palmitoyl L-carnitine chloride tetradecyl ester; palmitoyl L-carnitine bromide hexadecyl ester, and oleolyl L-carnitine chloride oleyl ester.
- 84. (Previously Presented) The method according to claim 79, in which the liposome additionally contains helper lipids.
- 85. (Previously Presented) The method according to claim 84, in which said helper lipid is selected from the group consisting of cholesterol, 1-palmitoyl-2-oleolyl phosphatidyl choline and dioleoly phospatidyl choline.
- 86. (Previously Presented) A composition comprising a liposome comprising a compound of formula (II)

(II)

where:

R₃ is a saturated linear or branched acyl chain, with 4-26 carbon atoms;

R₄ is a saturated or unsaturated, linear or branched alkyl chain, with 4-26 carbon atoms; and

X is the anion of a pharmacologically acceptable acid, said liposome comprising taxol or a camptothecin derivative of formula

wherein: R₇ is a –C(R₁₁)=N-O_(n)R₁₀ group, wherein R₁₀ is hydrogen or a C₁-C₅ alkyl or C₂-C₅ alkenyl group, linear or branched or C₃-C₁₀ cycloalkyl, group or a linear or branched (C₃-C₁₀) cycloalkyl - (C₁-C₅) alkyl group, or C₆-C₁₄ aryl, or a linear or branched (C₆-C₁₄) aryl - (C₁-C₅) alkyl group, or a heterocyclic or linear or branched heterocyclo - (C₁-C₅) alkyl group, said heterocyclic group containing at least a heteroatom selected from the group consisting of nitrogen atom, optionally substituted with a (C₁-C₅) alkyl group, and/or oxygen and/or sulfur; said alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, aryl, aryl-alkyl, heterocyclic or heterocyclo-alkyl groups, being optionally substituted with other groups selected from the group consisting of: halogen, hydroxy, C₁-C₅ alkyl, C₁-C₅ alkoxy, phenyl, cyano, nitro, -NR₁₂R₁₃, wherein R₁₂ and R₁₃, which may be the same or different, are hydrogen, linear or branched (C₁-C₅) alkyl; a pharmaceutically acceptable ester of the –COOH group; or the–CONR₁₄R₁₅ group, wherein R₁₄ and R₁₅, which may be the same or different, are hydrogen or linear or branched (C₁-C₅) alkyl; or

 R_{10} is a (C₆-C₁₀) aroyl residue optionally substituted by one or more groups selected from the group consisting of: halogen, hydroxy, linear or branched (C₁-C₅) alkyl, C₁-C₅ alkoxy, phenyl, cyano, nitro, -NR₁₆R₁₇, wherein R₁₆ and R₁₇, which may be the same or different, are hydrogen, linear or branched (C₁-C₈) alkyl;

n is the number 0 or 1;

 R_{11} is hydrogen, linear or branched C_1 - C_5 alkyl, linear or branched C_2 - C_5 alkenyl, C_3 - C_{10} cycloalkyl, $(C_3$ - $C_{10})$ cycloalkyl - linear or branched $(C_1$ - $C_5)$ alkyl, C_6 - C_{14} aryl, $(C_6$ - $C_{14})$ aryl - linear or branched alkyl $(C_1$ - $C_5)$;

R₈ and R₉, which may be the same or different is hydrogen, hydroxy, linear or branched C₁-C₅ alkoxy;

their N_1 -oxides, their single isomers, in particular the syn and anti isomers of the— $C(R_{11})=N-O_{(n)}R_{10} \text{ group, their possible enantiomers, diastereoisomers and relative admixtures,}$ the pharmaceutically acceptable salts thereof; or

said liposome comprising a substance with cosmetic activity.

- 87. (Previously Presented) The composition according to claim 86, in which R₃ is selected from the group consisting of nonanoyl, dodecanoyl, myristoyl, palmitoyl, stearoyl and oleolyl.
- 88. (Previously Presented) The composition according to claim 86, in which R₄ is selected from the group consisting of nonyl, undecyl, tetradecyl, hexadecyl and oleyl.
- 89. (Previously Presented) The composition according to claim 86, in which X- is selected from the group consisting of chloride; bromide; iodide; aspartate; acid aspartate; citrate; acid citrate; tartrate; acid tartrate; phosphate; acid phosphate; fumarate; acid fumarate; glycerophosphate; glucose phosphate; lactate; maleate; acid maleate; mucate; orotate; oxalate;

acid oxalate; sulphate; acid sulphate; trichloroacetate; trifluoroacetate; methane sulphonate; pamoate and acid pamoate.

- 90. (Previously Presented) The composition according to claim 86, in which the compound is selected from the group consisting of: palmitoyl L-carnitine chloride undecyl ester; stearoyl L-carnitine chloride undecyl ester; stearoyl L-carnitine chloride tetradecyl ester; palmitoyl L-carnitine chloride tetradecyl ester; myristoyl L-carnitine chloride tetradecyl ester; palmitoyl L-carnitine bromide hexadecyl ester, and oleolyl L-carnitine chloride oleyl ester.
- 91. (Previously Presented) The composition according to according to claim 86, in which the liposome additionally contains helper lipids.
- 92. (Previously Presented) The composition according to claim 91, in which said helper lipid is selected from the group consisting of cholesterol, 1-palmitoyl-2-oleoyl phosphatidyl choline or dioleyl phosphatidyl choline.
- 93. (Previously Presented) The composition according to claim 86, which composition is administered orally, parenterally, intravenously, intramuscularly, subcutaneously, transdermally or in the form of a nasal or mouth spray.
- 94. (Previously Presented) A method of transporting an antitumor drug to the target organ of a subject in need of antitumor treatment, wherein said drug is selected from the group consisting of taxol or a camptothecin derivative of formula

wherein: R₇ is a –C(R₁₁)=N-O_(n)R₁₀ group, wherein R₁₀ is hydrogen or a C₁-C₅ alkyl or C₂-C₅ alkenyl group, linear or branched or C₃-C₁₀ cycloalkyl, group or a linear or branched (C₃-C₁₀) cycloalkyl - (C₁-C₅) alkyl group, or C₆-C₁₄ aryl, or a linear or branched (C₆-C₁₄) aryl - (C₁-C₅) alkyl group, or a heterocyclic or linear or branched heterocyclo - (C₁-C₅) alkyl group, said heterocyclic group containing at least a heteroatom selected from the group consisting of nitrogen atom, optionally substituted with a (C₁-C₅) alkyl group, and/or oxygen and/or sulfur; said alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, aryl, aryl-alkyl, heterocyclic or heterocyclo-alkyl groups, being optionally substituted with other groups selected from the group consisting of: halogen, hydroxy, C₁-C₅ alkyl, C₁-C₅ alkoxy, phenyl, cyano, nitro, -NR₁₂R₁₃, wherein R₁₂ and R₁₃, which may be the same or different, are hydrogen, linear or branched (C₁-C₅) alkyl; a pharmaceutically acceptable ester of the –COOH group; or the–CONR₁₄R₁₅ group, wherein R₁₄ and R₁₅, which may be the same or different, are hydrogen or linear or branched (C₁-C₅) alkyl; or

 R_{10} is a (C₆-C₁₀) aroyl residue optionally substituted by one or more groups selected from the group consisting of: halogen, hydroxy, linear or branched (C₁-C₅) alkyl, C₁-C₅ alkoxy, phenyl, cyano, nitro, -NR₁₆R₁₇, wherein R₁₆ and R₁₇, which may be the same or different, are hydrogen, linear or branched (C₁-C₈) alkyl;

n is the number 0 or 1;

 R_{11} is hydrogen, linear or branched C_1 - C_5 alkyl, linear or branched C_2 - C_5 alkenyl, C_3 - C_{10} cycloalkyl, $(C_3$ - $C_{10})$ cycloalkyl - linear or branched $(C_1$ - $C_5)$ alkyl, C_6 - C_{14} aryl, $(C_6$ - $C_{14})$ aryl - linear or branched alkyl $(C_1$ - $C_5)$;

 R_8 and R_9 , which may be the same or different are hydrogen, hydroxy, linear or branched C_1 - C_5 alkoxy;

their N_1 -oxides, their single isomers, in particular the syn and anti isomers of the— $C(R_{11})=N-O_{(n)}R_{10} \text{ group, their possible enantiomers, diastereoisomers and relative admixtures,}$ the pharmaceutically acceptable salts thereof;

said method comprising encapsulating said antitumor drug into a liposome comprising a compound of formula (II)

(II)

where:

R₃ is a saturated linear or branched acyl chain, with 4-26 carbon atoms;

 R_4 is a saturated or unsaturated, linear or branched alkyl chain, with 4-26 carbon atoms; and

X⁻ is the anion of a pharmacologically acceptable acid, to obtain a liposome containing said antitumor drug, and

administering said liposome to said subject.

- 95. (Previously Presented) The method according to claim 94, in which R₃ is selected from the group consisting of nonanoyl, dodecanoyl, myristoyl, palmitoyl, stearoyl and oleolyl.
- 96. (Previously Presented) The method according to claim 94, in which R₄ is selected from the group consisting of nonyl, undecyl, tetradecyl, hexadecyl and oleyl.
- 97. (Previously Presented) The method according to claim 94, in which X⁻ is selected from the group consisting of chloride; bromide; iodide; aspartate; acid aspartate; citrate;

acid citrate; tartrate; acid tartrate; phosphate; acid phosphate; fumarate; acid fumarate; glycerophosphate; glucose phosphate; lactate; maleate; acid maleate; mucate; orotate; oxalate; acid oxalate; sulphate; acid sulphate; trichloroacetate; trifluoroacetate; methane sulphonate; pamoate and acid pamoate.

- 98. (Previously Presented) The method according to claim 94, in which the compound of formula (II) is selected from the group consisting of palmitoyl L-carnitine chloride undecyl ester; stearoyl L-carnitine chloride tetradecyl ester; palmitoyl L-carnitine chloride tetradecyl ester; palmitoyl L-carnitine chloride tetradecyl ester; palmitoyl L-carnitine bromide hexadecyl ester, and oleolyl L-carnitine chloride oleyl ester.
- 99. (Previously Presented) The method according to claim 94, in which said derivative of camptothecin is selected from the group consisting of 7-benzyloxyiminomethylcamptothecin or 7-butoxyiminomethylcam-ptothecin.
- 100. (Previously Presented) The method according to claim 94, in which the liposome additionally contains helper lipids.
- 101. (Previously Presented) The method according to claim 100, in which said helper lipid is selected from the group consisting of cholesterol, 1-palmitoyl-2-oleoyl phosphatidyl choline or dioleyl phosphatidyl choline.
- 102. (Previously Presented) The method according to claim 94, wherein said antitumor drug is 7-butoxyiminomethylcamptothecin and said liposome comprises the compound palmitoyl L-carnitine undecyl ester.
- 103. (Previously Presented) The method according to claim 94, wherein said antitumor drug is taxol and said liposome comprises the compound palmitoyl L-carnitine undecyl ester.

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- 104. (Previously Presented) The method according to claim 94, wherein said liposome is administered orally, parenterally, intravenously, intramuscularly, subcutaneously, transdermally or in the form of a nasal or mouth spray.
- 105. (Previously Presented) The method according to claim 94, wherein lungs are said target organ.
 - 106. (New) A method of topically applying a cosmetic using a liposome comprising a compound of formula (II)

$$H_3C$$
 H_3C
 X
 X
 $R4$
 $R3$
 $R3$
(II)

where:

R₃ is a saturated linear or branched acyl chain, with 4-26 carbon atoms;

R₄ is a saturated or unsaturated, linear or branched alkyl chain, with 4-26 carbon atoms; and

X is the anion of a pharmacologically acceptable acid.